

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **06144020 A**

(43) Date of publication of application: **24 . 05 . 94**

(51) Int. Cl

B60K 6/00

B60K 8/00

B60L 11/14

(21) Application number: **04294977**

(22) Date of filing: **04 . 11 . 92**

(71) Applicant: **AQUEOUS RES:KK**

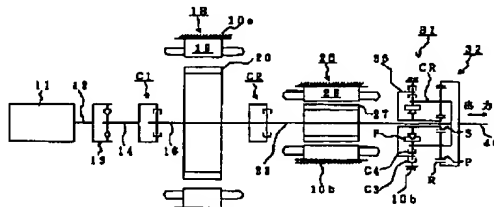
(72) Inventor:
**MOROTO SHUZO
KAWAMOTO MUTSUMI
YAMAGUCHI KOZO
MIYAISHI YOSHINORI**

(54) **HYBRID TYPE VEHICLE**

(57) Abstract:

PURPOSE: To travel without generating noise and exhaust gas by driving only a motor while traveling at low and medium speed.

CONSTITUTION: A hybrid type vehicle comprises an engine 11, a first driving device, which is selectively connected to the engine 11 through a first clutch C1, a second driving device, which is selectively connected to the first driving device through a second clutch C2, and drive wheels, which are connected to the second driving device. The first driving device is constituted as a high torque low speed type, and the second driving device is constituted as a low torque high speed type. In accelerating during traveling at low speed and medium speed, in normal traveling and in decelerating the engine 11 is not driven, and therefore the hybrid type vehicle can travel without generating noise and exhaust gas. Since the engine 11 is not suddenly started in full power starting and acceleration, the drive of the first and second driving devices and drive of the engine 6 can be favorably switched.



COPYRIGHT: (C)1994,JPO&Japio